

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042320\
 Data File : VU037862.D
 Acq On : 23 Apr 2020 15:22
 Operator : JC/MD
 Sample : VSTD20031
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20031

Quant Time: Apr 23 15:49:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 23 13:33:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	547475	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	551333	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	283613	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	1006710	205.71	ug/L	0.00
7) Chloroethane-d5	1.92	69	757069	189.59	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.59	63	1610019	194.58	ug/L	0.00
21) 2-Butanone-d5	4.66	46	1584812	396.72	ug/L	0.00
24) Chloroform-d	5.10	84	1512964	191.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	1015470	186.58	ug/L	0.00
32) Benzene-d6	5.76	84	3128402	183.06	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	1060677	184.55	ug/L	0.00
41) Toluene-d8	7.92	98	2900740	185.60	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	550888	189.52	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	1207365	401.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	1556240	196.81	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	1124349	187.97	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	920687	190.743	ug/L	100
3) Chloromethane	1.54	50	1044268	216.879	ug/L	99
5) Vinyl chloride	1.62	62	1138104	201.849	ug/L	99
6) Bromomethane	1.85	94	509851	234.032	ug/L	97
8) Chloroethane	1.94	64	632522	191.035	ug/L	100
9) Trichlorofluoromethane	2.15	101	1173903	188.256	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	675430	186.028	ug/L	99
12) 1,1-Dichloroethene	2.60	96	697274	194.783	ug/L	98
13) Acetone	2.66	43	911930	343.215	ug/L	99
14) Carbon disulfide	2.82	76	2406597	201.564	ug/L	100
15) Methyl Acetate	2.98	43	1130922	191.010	ug/L	99
16) Methylene chloride	3.08	84	816687	190.026	ug/L	98
17) trans-1,2-Dichloroethene	3.38	96	752314	190.431	ug/L	98
18) Methyl tert-butyl Ether	3.40	73	2680701	190.614	ug/L	100
19) 1,1-Dichloroethane	3.91	63	1549584	188.905	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	840032	190.250	ug/L	99
22) 2-Butanone	4.75	43	1643045	376.309	ug/L	99
23) Bromochloromethane	5.01	128	409700	193.209	ug/L	98
25) Chloroform	5.13	83	1437701	187.184	ug/L	100
27) 1,2-Dichloroethane	5.83	62	1229858	185.743	ug/L	99
29) Cyclohexane	5.42	56	1516184	183.018	ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	1237630	183.179	ug/L	99
31) Carbon tetrachloride	5.56	117	1016457	187.006	ug/L	100
33) Benzene	5.81	78	3329284	184.235	ug/L	100
34) Trichloroethene	6.57	95	813776	182.416	ug/L	99
35) Methylcyclohexane	6.79	83	1415986	181.801	ug/L	100
37) 1,2-Dichloropropane	6.82	63	925489	181.313	ug/L	99
38) Bromodichloromethane	7.13	83	1143901	186.219	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	1510781	187.908	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	3325748	381.940	ug/L	99

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42) Toluene	7.99	91	3558031	185.926	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	1460711	189.022	ug/L	96
45) 1,1,2-Trichloroethane	8.42	97	817677	185.389	ug/L	99
46) Tetrachloroethene	8.57	164	599753	187.151	ug/L	99
48) 2-Hexanone	8.71	43	2605444	377.179	ug/L	99
49) Dibromochloromethane	8.83	129	879133	191.458	ug/L	100
50) 1,2-Dibromoethane	8.94	107	899540	190.006	ug/L	99
51) Chlorobenzene	9.47	112	2225603	186.232	ug/L	99
52) Ethylbenzene	9.59	91	4090363	190.587	ug/L	100
53) m,p-Xylene	9.71	106	1530407	188.038	ug/L	100
54) o-xylene	10.12	106	1513630	191.385	ug/L	98
55) Styrene	10.13	104	2658155	193.928	ug/L	100
56) Isopropylbenzene	10.50	105	4006141	190.637	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	1517231	193.058	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	1299428	191.012	ug/L	99
61) Bromoform	10.31	173	706052	198.788	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	1801468	187.789	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	1808374	186.701	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	1775205	187.580	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	405272	195.944	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	1336251	191.878	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	1287110	194.292	ug/L	99
69) Naphthalene	14.11	128	4385299	187.933	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	1246390	189.069	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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